JOB SHEET JS2-4-11
NEXRAD SYSTEM STATUS
(Status Menu)

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(Status Menu)

INTRODUCTION

Much of the relevant information pertaining to the current operation of your WSR-88D unit is found in the Status Menu. By calling up the (S)tatus of the (N)EXRAD Unit you can determine the new product status, the operational mode, the current VCP, the elevation angles, and if the communication lines between the PUP, RPG, and RDA are up and running. Remember that once this screen is displayed at the Applications Terminal, it does not update. To update the display either press the "F4" key or retype the command and press RETURN.

*Note - The WSR-88D Status may be displayed from either the Graphic Tablet or the Applications Terminal. While the format is different, the information is the same.

OBJECTIVE

Use the Applications Terminal to display the current status of the WSR-88D Unit.

REFERENCES

NWS EHB 6-531-1, USER'S GUIDE: PUP/RPGOP, Section 8.1.1

PROCEDURE

1.   From the Main Menu, type **S** and press **RETURN**.

   -    This command displays the Status Menu.

2.   Type **N** and press **RETURN**.

   -    This command displays the Nexrad Unit Status Menu.

1

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                                MAIN MENU

    COMMAND: S
    FEEDBACK:

    Enter command and press return.  For assistance, press the HELP button (F5).

    (C)ONTROL
    (S)TATUS
    (D)ISPLAY
    (R)OUTINE PRODUCT SET
    (G)EN AND DISTRIBUTE PRODUCTS
    (T)IME LAPSE
    (A)RCHIVE
    (U)SER FUNCTION
    (AD)APTATION DATA
    (M)ONITOR PERFORMANCE
    (H)ELP


    UNACKNOWLEDGED ALERTS                    ALPHA PRODUCT QUEUE INDICATOR
    ACKNOWLEDGED ALERTS                      RPG PRODUCT REQUEST STATUS
    SYSTEM STATUS
```

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```
                               STATUS MENU

    COMMAND:  S,N
    FEEDBACK:

    Enter commmand.

    (N)EXRAD UNIT
    (C)OMMUNICATIONS
    (T)YPES OF PRODUCTS AVAILABLE IN PUP DATABASE
    (P)RODUCTS IN PUP DATABASE,      <prod-id#>
                           ,    (D)ISPLAY,    <LINE #>,     <scr-quad> *
                           ,    (DEL)ETE,    <LINE #>  *
    (E)ARLIEST TIME IN THE DATABASE
    (R)PG PRODUCTS AVAILABLE,    (D)ISPLAY LAST
                           ,    (R)EQUEST NEW
    (S)YSTEM
    (A)RCHIVE
    (B)ACKGROUND MAP FILES
    (AL)ERTS
    (CA)NCEL ALERT, <LINE #>  *
                  ,         (A)LL  *

    * Footnote:  List must be on display before entering command.
```

3.   Here is a list of possible status messages found on the NEXRAD UNIT STATUS Menu:

a.   **New Product Status** - Products are **AVAILABLE**.

b.   Current **VCP/Weather Mode**: Mode **A** (Precipitation Mode) and VCP **21** (9 elevation angles in 6 minutes).

c.   **Elevation Angles** - Elevation angles used by the Current VCP.

d.   **Dedicated RPG Communications** - This is the PUP operator's latest command and the current state of the PUP-RPG comline. Here, the PUP operator has **ENABLED** the line. This command merely tells the system to connect. Once the connection is made, the **CONNECTED** message appears.

e.   RPG Status information:

RPG Availability - If the RPG is available to produce products, **AVAIL** appears. If no problems are detected, **ON-LINE** also appears.

RPG Narrowband - Gives current status of the narrowband line from the RPG to the PUP. Operator commands to Connect or Disconnect are reflected here as well as load shedding occurrences.

RPG Software - **OPERATE** means things are normal.

RPG Alarms - These deal with conditions detected at the RPG.

f.   RDA Status Information:

RDA Availability - If the RDA is available to collect data, **AVAIL** appears. If no problems are detected, **ON-LINE** also appears.

RDA Software - **OPERATE** means things are normal.

Delta Sys. Cal - A value used by the Signal Processor to scale reflectivity estimates. If this value is greater than $^+/_-$ 2.00 dBZ maintenance should be notified.

RDA Alarms - This deals with conditions detected at the RDA.

Note: Messages listed in d - f occasionally require the operator to leap into action (call maintenance for example). See the PUP User's Guide for information on these messages.

END

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                          NEXRAD UNIT STATUS

    COMMAND:  S,
    FEEDBACK:  EXECUTED - S,N

    TIME RCV'D FROM                   NEW PRODUCT STATUS:  AVAILABLE
    RPG:  08:42
                              BASE DATA ENABLED:          REF     VEL     SW
    ELEVATION                 OPERATIONAL MODE/VCP:        A       21
    ANGLES 9
                              DED. RPG COMM:  ENABLED          CONNECTED
     0.5
     1.5                      RPG AVAILABILITY:        AVAIL    ON-LINE
     2.4                      RPG NARROWBAND:          NORMAL
     3.4                      RPG SOFTWARE:            OPERATE
     4.3                          ALARMS:
     6.0
     9.9                      RDA AVAILABILITY:        AVAIL    ON-LINE
    14.6                      RDA SOFTWARE:            OPERATE
    19.5                      DELTA SYS. CAL:          1.25  dBZ
                                  ALARMS:              TOWER/UTIL
```